

# 168 River Mill Road, Mt. Carmel by the River, Huntsville, Madison County, Alabama, United States, 35811

Gross Living Area: 4113 sq. ft

## Level 1



Space	Area (sq. ft)	Calculation
1st floor (Living area)	2658	Coordinate Polygon Area Algorithm using inches $-((168 + 666.9) * (61.2 - 61.2) + (666.9 + 666.9) * (61.2 - 542.9) + (666.9 + 397.6) * (542.9 - 542.9) + (397.6 + 397.6) * (542.9 - 558.7) + (397.6 + 397.9) * (558.7 - 558.7) + (397.9 + 397.9) * (558.7 - 562.7) + (397.9 + 397.6) * (562.7 - 562.7) + (397.6 + 397.6) * (562.7 - 744.4) + (397.6 + 388.8) * (744.4 - 744.4) + (388.8 + 388.8) * (744.4 - 753.1) + (388.8 + 362.6) * (753.1 - 753.1) + (362.6 + 362.6) * (753.1 - 774.3) + (362.6 + 274.6) * (774.3 - 774.3) + (274.6 + 274.6) * (774.3 - 753.1) + (274.6 + 242) * (753.1 - 753.1) + (242 + 242) * (753.1 - 735.3) + (242 + -4.4) * (735.3 - 735.3) + (-4.4 + -4.4) * (735.3 - 191.2) + (-4.4 + 168) * (191.2 - 191.2) + (168 + 168) * (191.2 - 61.2)) * 0.5 * 0.00694$
GARAGE (Non-living area)	719	$-((666.9 + 666.9) * (542.9 - 921.6) + (666.9 + 388.8) * (921.6 - 921.6) + (388.8 + 388.8) * (921.6 - 744.4) + (388.8 + 397.6) * (744.4 - 744.4) + (397.6 + 397.6) * (744.4 - 562.7) + (397.6 + 397.9) * (562.7 - 562.7) + (397.9 + 397.9) * (562.7 - 558.7) + (397.9 + 397.6) * (558.7 - 542.9) + (397.6 + 666.9) * (542.9 - 542.9)) * 0.5 * 0.00694$
PORCH (Non-living area)	174	$-((242 + 242) * (735.3 - 753.1) + (242 + 274.6) * (753.1 - 753.1) + (274.6 + 274.6) * (753.1 - 839.4) + (274.6 + 162.2) * (839.4 - 839.4) + (162.2 + 162.2) * (839.4 - 819.3) + (162.2 + -4.4) * (819.3 - 819.3) + (-4.4 + -4.4) * (819.3 - 735.3) + (-4.4 + 242) * (735.3 - 735.3)) * 0.5 * 0.00694$

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Space	Area (sq. ft)	Calculation <small>Coordinate Polygon Area Algorithm using inches</small>
PATIO (Non-living area)	131	$-\left((414.9 + 414.9) * (-13.5 - 61.2) + (414.9 + 162.6) * (61.2 - 61.2) + (162.6 + 162.6) * (61.2 - -13.5) + (162.6 + 414.9) * (-13.5 - -13.5)\right) * 0.5 * 0.00694$



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## Level 2

Space	Area (sq. ft)	Calculation <small>Coordinate Polygon Area Algorithm using inches</small>
2nd floor (Living area)	1455	$-\left((176.8 + 176.8) * (191.2 - 240.5) + (176.8 + 172) * (240.5 - 249.3) + (172 + 172) * (249.3 - 466.4) + (172 + 388.9) * (466.4 - 466.4) + (388.9 + 388.9) * (466.4 - 422.3) + (388.9 + 372) * (422.3 - 422.3) + (372 + 372) * (422.3 - 386.8) + (372 + 388.9) * (386.8 - 386.8) + (388.9 + 388.9) * (386.8 - 339.3) + (388.9 + 397.7) * (339.3 - 330.6) + (397.7 + 666.9) * (330.6 - 330.6) + (666.9 + 666.9) * (330.6 - 542.9) + (666.9 + 601) * (542.9 - 542.9) + (601 + 601) * (542.9 - 566.9) + (601 + 489.8) * (566.9 - 566.9) + (489.8 + 489.8) * (566.9 - 538.1) + (489.8 + 456.3) * (538.1 - 538.1) + (456.3 + 456.3) * (538.1 - 604) + (456.3 + 447.5) * (604 - 612.8) + (447.5 + 397.6) * (612.8 - 612.8) + (397.6 + 397.6) * (612.8 - 753.1) + (397.6 + 242) * (753.1 - 753.1) + (242 + 242) * (753.1 - 735.3) + (242 + 246.7) * (735.3 - 726.5) + (246.7 + 246.8) * (726.5 - 726.5) + (246.8 + 246.8) * (726.5 - 584.1) + (246.8 + 250.8) * (584.1 - 584.1) + (250.8 + 250.8) * (584.1 - 562.7) + (250.8 + 246.8) * (562.7 - 562.7) + (246.8 + 226.6) * (562.7 - 562.5) + (226.6 + 226.7) * (562.5 - 514.1) + (226.7 + 172) * (514.1 - 514.1) + (172 + 172) * (514.1 - 735.3) + (172 + -4.4) * (735.3 - 735.3) + (-4.4 + -4.4) * (735.3 - 191.2) + (-4.4 + 176.8) * (191.2 - 191.2)) * 0.5 * 0.00694$
OPEN TO BELOW (Non-living area)	108	$-\left((226.7 + 226.6) * (514.1 - 562.5) + (226.6 + 246.8) * (562.5 - 562.7) + (246.8 + 246.7) * (562.7 - 726.5) + (246.7 + 242) * (726.5 - 735.3) + (242 + 172) * (735.3 - 735.3) + (172 + 172) * (735.3 - 514.1) + (172 + 226.7) * (514.1 - 514.1)) * 0.5 * 0.00694 - \left((250.8 + 250.8) * (562.7 - 584.1) + (250.8 + 246.8) * (584.1 - 584.1) + (246.8 + 246.8) * (584.1 - 562.7) + (246.8 + 250.8) * (562.7 - 562.7)\right) * 0.5 * 0.00694$
OPEN TO BELOW (Non-living area)	342	$-\left((397.7 + 397.7) * (240.5 - 330.6) + (397.7 + 388.9) * (330.6 - 339.3) + (388.9 + 388.9) * (339.3 - 386.8) + (388.9 + 372) * (386.8 - 386.8) + (372 + 372) * (386.8 - 422.3) + (372 + 388.9) * (422.3 - 422.3) + (388.9 + 388.9) * (422.3 - 466.4) + (388.9 + 172) * (466.4 - 466.4) + (172 + 172) * (466.4 - 249.3) + (172 + 176.8) * (249.3 - 240.5) + (176.8 + 397.7) * (240.5 - 240.5)) * 0.5 * 0.00694$
LOW CEILING (Non-living area)	40	$-\left((601 + 601) * (566.9 - 921.6) + (601 + 584.6) * (921.6 - 921.6) + (584.6 + 584.6) * (921.6 - 566.9) + (584.6 + 601) * (566.9 - 566.9)\right) * 0.5 * 0.00694$
LOW CEILING (Non-living area)	36	$-\left((464 + 464) * (604 - 921.6) + (464 + 447.5) * (921.6 - 921.6) + (447.5 + 447.5) * (921.6 - 612.8) + (447.5 + 456.3) * (612.8 - 604) + (456.3 + 464) * (604 - 604)\right) * 0.5 * 0.00694$
ATTIC (Non-living area)	306	$-\left((489.8 + 489.8) * (538.1 - 566.9) + (489.8 + 584.6) * (566.9 - 566.9) + (584.6 + 584.6) * (566.9 - 921.6) + (584.6 + 464) * (921.6 - 921.6) + (464 + 464) * (921.6 - 604) + (464 + 456.3) * (604 - 604) + (456.3 + 456.3) * (604 - 538.1) + (456.3 + 489.8) * (538.1 - 538.1)\right) * 0.5 * 0.00694$